

Workshop "Recent Advances in PDEs and Fluids", August 5-18,
2013; Cummings Building ART 2

Friday, August 16

9:00-10:00am Charles Doering, "Wall to Wall Optimal Transport"

10:30-11:30 Andrej Zlatoš "Reactive Processes in Inhomogeneous Media"

11:35-12:35 Jean-Luc Thiffeault, "Turbulence and hagfish slime"

2:15-3:15 Gautam Iyer "Asymptotically self-similar solutions for a Smoluchowski coagulation equation"

3:15-4:15 Koji Ohkitani "Similarity, criticality and regularity of solutions for the Navier-Stokes equations"

4:30-5:30 Vu Hoang, Jacob Bedrossian, Christian Seis

Saturday, August 17

9:00-10:00am Alexei Cheskidov, "Pullback attractors for the 3D Navier-Stokes equations"

10:30-11:30 Susan Friedlander "Ill-posedness / Well-posedness Results for a Class of Active Scalar Equations",

11:35-12:35 Natasa Pavlovic "Unconditional uniqueness for the cubic Gross-Pitaevskii hierarchy via quantum de Finetti"

2:15-3:15 Mihaela Ignatova "The Harnack inequality for second-order elliptic and parabolic equations with divergence-free drifts of low regularity"

3:20-4:20 Zoran Grujic, "Vortex stretching and sub-criticality for the 3D NSE"

4:30-5:00 Yao Yao, Wenqing Hu, Tarek Elgindi

Sunday, August 18

9:00-10:00 Andrea Bertozzi, "Particle Laden flow and Systems of Conservation Laws"

10:30-11:30 Alexis Vasseur, "Relative entropy and contraction for extremal shocks of conservation laws up to a shift"

11:35-12:35 Jiahong Wu "Recent developments on the two-dimensional magnetohydrodynamics equations with partial dissipation"

2:15-3:15 Igor Kukavica, "Regularity of solutions for the primitive equations of the ocean"